

Cellular Immunology

AN INTERNATIONAL JOURNAL

EDITOR-IN-CHIEF: H. Sherwood Lawrence

Volume 82, 1983



ACADEMIC PRESS

A Subsidiary of Harcourt Brace Jovanovich, Publishers

New York London

Paris San Diego San Francisco São Paulo Sydney Tokyo Toronto

Copyright © 1983 by Academic Press, Inc.
All Rights Reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc. (21 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Copy fees for pre-1983 articles are as shown on the article title pages; if no fee code appears on the title page, the copy fee is the same as for current articles.

0008-8749/83 \$3.00

MADE IN THE UNITED STATES OF AMERICA

Contents of Volume 82

NUMBER 1, NOVEMBER 1983

Infection, Immunity, and the Language of Cells *A Meeting in Honor of Lewis Thomas*

DEDICATION	1
LEWIS THOMAS	3
SAUL J. FARBER. A Tribute to Lewis Thomas	21
M. S. SY, E. SCHNEEBERGER, R. MCCLUSKEY, M. I. GREENE, R. D. ROSENBERG, AND B. BENACERRAF. Inhibition of Delayed-Type Hypersensitivity by Heparin Depleted of Anticoagulant Activity	23
EDWARD A. BOYSE. Some Behavioral Consequences of H-2:Qa:Tla Polymorphism	33
ROBERT A. GOOD, NEENA KAPOOR, AND YAIR REISNER. Bone Marrow Transplantation—An Expanding Approach to Treatment of Many Diseases	36
PHILIP Y. PATERSON. LT/EAE and the MS Quest. Going to the Dogs and Rats to Study the Patient	55
JOHN R. DAVID, HEINZ G. REMOLD, DAVID Y. LIU, WEISHUI Y. WEISER, AND ROBERTA A. DAVID. Lymphokines and Macrophages	75
LEWIS W. WANNAMAKER. The Pathogenesis of Rheumatic Fever: Lewis Thomas and the Minnesota Years	82
WALLACE A. CLYDE, JR., AND GERALD W. FERNALD. Mycoplasmas: The Pathogens' Pathogens	88
HOWARD GREEN. Some Things That Happened on Lew Thomas' Floor	98
H. S. LAWRENCE AND WILLIAM BORKOWSKY. A New Basis for the Immunoregulatory Activities of Transfer Factor—An Arcane Dialect in the Language of Cells	102
GERALD WEISSMANN. From Auden to Arachidonate: A Tribute and a Hypothesis	117
P. B. MEDAWAR. Lewis Thomas' Latest—A Review	127
H. SHERWOOD LAWRENCE. An Appreciation: Notes of a Lewis Thomas-Watcher	139

Regular Articles

R. MAZAHERI, ANNE S. HAMBLIN, AND A. J. ZUCKERMAN. Cell-Mediated Immunity: Correlation of Mixed-Leucocyte-Macrophage Migration Inhibition with Delayed-Type Hypersensitivity after Immunization and Donor-Specific Transfer of Cell Migration Inhibition by Dialyzable Leucocyte Extract	147
JAMES D. SIMON, BRIAN M. FREED, DENISE DAVIGNON, AND MAURICE M. ALBALA. Identification and Characterization of a Soluble Suppressor Factor(s) in the Serum of AKR Mice Bearing Lymphocytic Leukemia	163
H. J. RADZUN AND M. R. PARWARESCH. Differential Immunohistochemical Resolution of the Human Mononuclear Phagocyte System	174
NANCY ORCUTT-THORDARSON AND LAWRENCE G. LUM. The Regulatory Roles of T4 and T8 Subsets in Tetanus Toxoid-Induced <i>in Vitro</i> Immunoglobulin Production	184
E. E. GOLDS, I. B. M. STEPHEN, J. M. ESDAILE, H. STRAWCZYNSKI, AND A. R. POOLE. Lymphocyte Transformation to Connective Tissue Antigens in Adult and Juvenile Rheumatoid Arthritis, Osteoarthritis, Ankylosing Spondylitis, Systemic Lupus Erythematosus, and a Nonarthritic Control Population	196
SHORT COMMUNICATION	
L. S. SALIMONU, E. OJO-AMAIZE, A. O. K. JOHNSON, A. A. O. LADITAN, O. A. O. AKINWOLERE, AND H. WIGZELL. Depressed Natural Killer Cell Activity in Children with Protein-Calorie Malnutrition. II. Correction of the Impaired Activity after Nutritional Recovery	210
ANNOUNCEMENT	216
PAPERS TO APPEAR IN FORTHCOMING ISSUES	217

NUMBER 2, DECEMBER 1983

MARION PETERS AND ANTHONY S. FAUCI. Antigen-Specific Human B-Cell Responses: Modulation by Immunoregulatory T-Cell Subsets	223
R. E. CONE, R. W. ROSENSTEIN, C. A. JANEWAY, G. M. IVERSON, J. H. MURRAY, H. CANTOR, M. FRESNO, J. A. MATTINGLY, M. CRAMER, U. KRAWINKEL, H. WIGZELL, H. BINZ, H. FRISCHNECHT, W. PTAK, AND R. K. GERSHON. Affinity-Purified Antigen-Specific Products	

Produced by T Cells Share Epitopes Recognized by Heterologous Antisera Raised against Several Different Antigen-Specific Products from T Cells	232
ROBERT H. J. BEELEN AND WILLIAM S. WALKER. Dynamics of Cytochemically Distinct Subpopulations of Macrophages in Elicited Rat Peritoneal Exudates	246
RICHARD W. PFEIFER, WAYNE S. STILLMAN, AND RICHARD D. IRONS. Phytohemagglutinin-Induced Acquisition of T-Cell Surface Markers by Rat Bone Marrow Precursor Cells in the Absence of the Thymic Microenvironment	258
M. REFAAT SHALABY AND PHILLIP K. WECK. Bacteria-Derived Human Leukocyte Interferons Alter <i>in Vitro</i> Humoral and Cellular Immune Responses	269
MYRON R. SZEWCZUK. Selective Suppression by Auto-Anti-idiotypic Antibody of B-Cell Idiotype Repertoires Generated after Stimulation with the Same Hapten on T-Dependent and T-Independent Carriers	282
ARPI MATOSSIAN-ROGERS AND BEHNAZ TAIDI. Characterization of Cytostatic Effector Lymphocytes during the Development of a Syngeneic Lymphosarcoma in C3H Mice: Use of Monoclonal Reagents to Identify T-Cell Subsets	292
PHILLIP D. SMITH, DAVID B. KEISTER, AND CHARLES O. ELSON. Human Host Response to <i>Giardia lamblia</i> . II. Antibody-Dependent Killing <i>in Vitro</i>	308
JOHN W. SEMPLE AND MYRON R. SZEWCZUK. Enhanced Natural Killer (NK) Cell Activity and NK-Sensitive Thymic Cells in Murine Muscular Dystrophy	316
MAREK ROLA-PLESZCZYNSKI AND HIEN LIEU. Human Natural Cytotoxic Lymphocytes: Definition by a Monoclonal Antibody of a Subset Which Kills an Anchorage-Dependent Target Cell Line but Not the K-562 Cell Line	326
ANNA BARTOCCI, ROY D. WELKER, ERICH SCHLICK, MICHAEL A. CHIRIGOS, AND BRUCE C. NISULA. Immunosuppressive Activity of Human Chorionic Gonadotrophin Preparations <i>in Vivo</i> : Evidence for Gonadal Dependence	334
HARUTOSHI KIZAKI, SONOKO HABU, FUMIHIRO OHSAKA, AND TOMOMI SAKURADA. Purine Nucleoside Metabolizing Enzyme Activities in Mouse Thymocytes at Different Stages of Differentiation and Maturation	343
MAXWELL RICHTER, GABRIELLE ETTIN, SUZI SKLAR, MARGARET RICHTER, HAZEM HAMDY, CAROL-ANN JODOUIN, AND NATALIE KAZANIWSKY. Surface Receptors and Immune Activity of Purified Human Circulating Mononuclear Cells. IV. The Demonstration of Seven Subclasses of T Cells in the Circulation of the Normal Individual: The Cytotoxic Activities of These Cells	352
AMY S. MORGAN AND CONSTANTINE H. TEMPELIS. Neonatal Splenic Suppressor Cells in the Chicken. I. <i>In Vivo</i> Suppression of the Immune Response to Bovine Serum Albumin by Normal and Tolerized Neonatal Spleen Cells	370
STEPHEN D. MILLER, LARRY D. BUTLER, RONALD P. CLEVELAND, JOHN W. MOORHEAD, HENRY N. CLAMAN, AND JACQUES C. CHILLER. T-Cell Responses Induced by the Parenteral Injection of Antigen-Modified Syngeneic Cells. II. Mechanisms, Specificity, and Cellular Analysis of 2,4,6-Trinitrophenol (TNP)-Specific Cytolytic Response Priming by Intravenous versus Subcutaneous Injection with TNP-Modified Syngeneic Cells	378
THERESA L. GERRARD, CYNTHIA H. JURGENSEN, AND ANTHONY S. FAUCI. Differential Effect of Monoclonal Anti-DR Antibody on Monocytes in Antigen- and Mitogen-Stimulated Responses: Mechanism of Inhibition and Relationship to Interleukin 1 Secretion	394
VÉRONIQUE NALET AND CATHERINE FOURNIER. Human Autologous Rosette-Forming Cells. I. Expression of Cell Surface Antigens in Relation to Age and Lymphoid Organ Distribution	403
SHORT COMMUNICATIONS	
CHIKAO MORIMOTO AND YVES BOREL. Hapten-Specific Carrier-Dependent Tolerance Induction in Man <i>in Vitro</i>	415
I. SZYMANSKA, J. RAMWANI, AND E. H. EYLAR. The Passive Transfer of Severe Allergic Neuritis in Lewis Rats with Lymphoid Cells Preincubated with P2 Protein	422
GORDON F. BURNS, TONY TRIGLIA, AND GEORGE A. VARIGOS. Mouse Monoclonal Antibodies Can Nonspecifically Inhibit the Proliferation of Human T-Cell Growth Factor-Dependent T Cells	426
PAPERS TO APPEAR IN FORTHCOMING ISSUES	
AUTHOR INDEX FOR VOLUME 82	436
CUMULATIVE SUBJECT INDEX FOR VOLUMES 75-82	438